

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/10089

**A. CLASSIFICATION OF SUBJECT MATTER**  
Int.Cl<sup>7</sup> G02B27/10, H01S5/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
Int.Cl<sup>7</sup> G02B27/10, G02B27/09, H01S5/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2003  
Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|-----------|---|-----------------------|
| Y         | JP 11-72743 A (Hamamatsu Photonics Kabushiki Kaisha),<br>16 March, 1999 (16.03.99),<br>Full text; Figs. 1 to 4<br>(Family: none)    | 1-9                   |
| Y         | WO 01/06297 A2 (SILICON LIGHT MACHINES),<br>25 January, 2001 (25.01.01),<br>Full text; Figs. 4, 5<br>& US 6356577 B1                | 1-9                   |
| Y         | JP 7-287189 A (Higashi Nihon Seitetsu Kabushiki Kaisha),<br>31 October, 1995 (31.10.95),<br>Full text; Figs. 3, 5<br>(Family: none) | 1-9                   |

☒ Further documents are listed in the continuation of B or C. ☐ See patent family annex.

|   |  |
|---|--|
| * Special categories of cited documents:  | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  |
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| "O" document referring to an oral disclosure, use, exhibition or other means  |  |
| "P" document published prior to the international filing date but later than the priority date claimed  |  |

Date of the actual completion of the international search  
02 September, 2003 (02.09.03)

Date of mailing of the international search report  
16 September, 2003 (16.09.03)

Name and mailing address of the ISA/  
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PCT/JP03/10089

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                   | Relevant to claim No. |
|-----------|--|-----------------------|
| A         | DE 19939750 A1 (LASERLINE GESELLSCHAFT)<br>29 March, 2001 (29.03.01),<br>Full text<br>& EP 1081819 A | 1-9                   |